Tuesday Keynote Speaker

Kaizad Irani
Program Director and Professor of Landscape Design and Horticulture at Parkland College, Champaign, IL
Associate Professor, University of Illinois

Presented by

UNIVERSITY OF ILLINOIS EXTENSION

Partnerships:
American Society of Landscape Architects - St. Louis
Hort. Co-Op of Metro St. Louis
Illinois Arborist Association
Illinois Park & Recreation Association
Illinois Professional Lawn Care Assoc.
Southern IL Golf Superintendents Assoc.
Southern Illinois University - Carbondale

Program handouts will be on a Flash Drive again this year.

Trade Show will feature “Green Light Special” product demonstrations.

Tuesday & Wednesday
January
14 & 15, 2014

Wednesday Keynote Speaker

Lynn Bement
Owner,
The Organic Garden Coach
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>9:00 – 10:30</td>
<td>Keynote</td>
<td>E-ImpACT</td>
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<td><strong>Kaizad Irani</strong>, Horticulture Professor, Parkland College and University of Illinois</td>
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<td>10:30 – 11:00</td>
<td>Break</td>
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<td>Trade Show Open 8:30 A.M. to 4:30 P.M.</td>
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<td>11:00 A.M. – 12:00 P.M.</td>
<td><strong>A. Borers of Drought</strong></td>
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<td>11:30 A.M. – 12:30 P.M.</td>
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<td>1:30 – 2:30 P.M.</td>
<td><strong>E. Chain Saw Safety</strong></td>
<td>Jim Kirkland &amp; Roger Smith, Dixon Springs Ag Center, University of Illinois</td>
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<td>1:30 – 2:30 P.M.</td>
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<td>3:00 – 4:00 P.M.</td>
<td><strong>I. If It's Not an Insect or a Disease...??</strong></td>
<td>David Robson, Extension Specialist, University of Illinois</td>
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<td>3:00 – 4:00 P.M.</td>
<td><strong>J. Perennial Garden Maintenance</strong></td>
<td>Martha Smith, Horticulture Educator U of I Extension</td>
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<td>3:00 – 4:00 P.M.</td>
<td><strong>K. Comparing Some Common but Important Tree Diseases</strong></td>
<td>Jim Schuster, University of Illinois - Retired, Horticulture &amp; Plant Pathology Consultant</td>
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<td>3:00 – 4:00 P.M.</td>
<td><strong>L. Innovative Solutions for Turf Irrigation</strong></td>
<td>Eric Simmons, Great Lakes Specification Sales Manager, Hunter Industries</td>
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</table>

Class descriptions follow.
**Wednesday, January 15, 2014**  
**Gateway Green Industry Conference**

<table>
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| 9:00 - 10:30 A.M. | Keynote                                                                             | *Sex in the Soil: The Facts of Life Beyond NPK*  
Lynn Bement, Owner, The Organic Garden Coach |
| 10:30 - 11:00 A.M. | Break                                                               | Visit the Trade Show                                                      |

### PLANTSCAPE

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<td>David Williams, Professor of Horticulture, University of Illinois</td>
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<td>11:15 A.M. - 12:15 P.M.</td>
<td><strong>B. Controlling Turf Weeds Using Organic Methods</strong></td>
<td>Bruce Branham, Turf Specialist, University of Illinois</td>
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### TURF MANAGEMENT

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<td><strong>C. Creating and Managing a Nature Explore Classroom</strong></td>
<td>Ben Grossman, Natural Resources Supervisor, St. Charles County Parks and Recreation</td>
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<td>1:30 - 2:30 P.M.</td>
<td><strong>F. Compost BMPs Used in LEED and Green Building Applications</strong></td>
<td>Britt Faucette, National Director of Research &amp; Technical Services Filtrexx International</td>
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### PARKS & RECREATION

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<td>Britt Faucette, National Director of Research &amp; Technical Services Filtrexx International</td>
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<td>1:30 - 2:30 P.M.</td>
<td><strong>G. Stormwater 101: Bioretention Pitfalls &amp; Solutions</strong></td>
<td>Scott Woodbury, Curator, Whitmire Wildflower Garden, Shaw Nature Reserve</td>
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### GREEN INDUSTRY

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<tr>
<td>2:30 - 2:45 P.M.</td>
<td><strong>L. 2013 - A Year in Review at U of I Plant Clinic</strong></td>
<td>Stephanie Porter, University of Illinois Plant Clinic Diagnostician</td>
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**Lunch Break**  
Please utilize your assigned lunch time to reduce lines. Last chance to visit the trade show.

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<td>Martha Smith, Horticulture Educator U of I Extension</td>
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<td>2:45 - 3:45 P.M.</td>
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<td>Tom Voigt, Extension Specialist, University of Illinois</td>
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<td>David Williams, Professor of Horticulture, University of Illinois</td>
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<td>2:45 - 3:45 P.M.</td>
<td><strong>K. Recreation Naturally</strong></td>
<td>Ben Grossman, Natural Resources Supervisor, St. Charles County Parks and Recreation</td>
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**Class descriptions follow.**
A silent auction will take place during the Gateway Green Industry Conference. Class handouts will be on a flash drive. Bring your laptop to access during the conference. Trade Show will feature “Green Light Special” product demonstrations.

University of Illinois offers equal opportunities in programs and employment.

If you need a reasonable accommodation to attend this event or dietary substitutions please contact 618-344-4230 prior to 1/3/14.
Conference Registration

Registration and fee is due by January 3, 2014

Gateway Green Industry Conference
January 14 & 15, 2014
On-line registration: web.extension.illinois.edu/mms

Name _________________________________ Firm/Organization ________________________________________
Telephone (Day) ________________ FAX number _______________ E-mail ________________________________
(A registration confirmation will be sent to all persons providing an e-mail address)

Business Address __________________________ City __________________ State ______ Zip ________________

_____ High School Students must register
_____ College student

Full-time College Students must include a photocopy of currently dated, student I.D. card and copy of full-time schedule with registration.

_____ U of I Extension Master Gardener

Illinois Certified Master Gardeners must include copy of current I.D. card or letter of active status from County Director.

Breakout Session Preferences  You may choose classes from any track
(Continuing Education Credit Information on back)

Concurrent Session I – Tuesday, January 14
___ a. Borers of Drought 11:00 A.M. – 12:00 P.M.
___ b. Wise Design of Commercial Flower Beds 11:15 A.M. – 12:15 P.M.
___ c. From Concept to Reality 11:30 A.M. – 12:30 P.M.
___ d. New Work on Poa Annua Biotypes from Golf Courses 11:30 A.M. – 12:30 P.M.

Concurrent Session II – Tuesday, January 14
1:30 – 2:30 P.M. all classes
___ e. Chain Saw Safety
___ f. Beyond Geranium and Dracaena Spike—(Kick the Containers Up a Notch)
___ g. Biting and Nuisance Flying Insects
___ h. Dew and Dollar Spot: What’s the Real Story?

Concurrent Session III – Tuesday, January 14
3:00 - 4:00 P.M. all classes
___ i. If It’s Not an Insect or a Disease….??
___ j. Perennial Garden Maintenance
___ k. Comparing Some Common but Important Tree Diseases
___ l. Innovative Solutions for Turf Irrigation

Concurrent Session IV – Wednesday, January 15
___ a. Woody Plants for Challenging Conditions 11:00 A.M. – 12:00 P.M.
___ c. Creating and Managing a Nature Explore Classroom 11:30 A.M. – 12:30 P.M.
___ d. Designing with Nature: Compost-Based BMDs in Green Infrastructure Stormwater Applications 11:30 A.M. – 12:30 P.M.

Concurrent Session V – Wednesday, January 15
1:30 – 2:30 P.M. all classes
___ e. Up & Coming Perennial Stars
___ f. Compost BMPs Used in LEED and Green Building Applications
___ g. Stormwater 101: Bioretention Pitfalls & Solutions
___ h. Green Roofs

Concurrent Session VI – Wednesday, January 15
2:45 - 3:45 P.M. all classes
___ i. Right Plant - Right Place and the Urban Ecosystem
___ j. Selecting and Managing Cool-Season Grasses for Golf Course Roughs in Temperate Regions
___ k. Recreation Naturally
___ l. 2013: A Year in Review at U of I Plant Clinic
CONTINUING EDUCATION CREDIT
CEU’S HAVE BEEN APPROVED THROUGH THE FOLLOWING PROFESSIONAL ASSOCIATIONS

1. Certified Golf Course Superintendent - .45 CEU’s approved for each day of the conference.
2. Illinois Green Industry Association - CEU’s applied for
4. Illinois Landscape Contractors Association - CEU’s applied for
5. Illinois Park & Recreation Association - .15 per Keynote Session and .10 per breakout session with a maximum of 0.9 CEU’s for the entire 2-day conference.

<table>
<thead>
<tr>
<th>General Admission</th>
<th>Walk in registration (and registrations received after 1/2/14. (Includes students &amp; Certified Master Gardeners)</th>
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<tr>
<td>Advance registration fee includes lunch, breaks, trade show and education program.</td>
<td>One day — $110</td>
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<tr>
<td>One Day — $80</td>
<td>Two days — $130</td>
</tr>
<tr>
<td>Two Days — $100</td>
<td>(Walk-in registration rates DO NOT include lunch.)</td>
</tr>
<tr>
<td>Certified Master Gardeners and current full-time college and high school students:</td>
<td>The trade show will be open from 8:30 A.M. - 4:30 P.M. on Tuesday, January 14, and 8:30 A.M - 1:30 P.M. on Wednesday, January 15.</td>
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<tr>
<td>One day $35</td>
<td>Visitors may attend the trade show only at no charge.</td>
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<tr>
<td>Two days $50</td>
<td>(You must register at registration desk before entering.)</td>
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<tr>
<td>(with a focus on horticulture)</td>
<td>Questions:</td>
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<td></td>
<td>University of Illinois Extension</td>
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<td></td>
<td>Madison-Monroe-St. Clair Extension Unit</td>
</tr>
<tr>
<td></td>
<td>1 Regency Plaza Drive, Suite 200</td>
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<td></td>
<td>Collinsville, IL 62234</td>
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<td></td>
<td>(618) 344-4230</td>
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<td>e-mail: <a href="mailto:pstanton@illinois.edu">pstanton@illinois.edu</a></td>
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Registration due by January 3, 2014. Registration is not complete without payment.

On-line registration available at: http://web.extension.illinois.edu/mms

Registration questions may be directed to: 618-344-4230, or e-mail: pstanton@illinois.edu

To register by check send registration form and check payable to: University of Illinois Extension to:

University of Illinois Extension
Madison-Monroe-St. Clair Unit
1 Regency Plaza Drive, Suite 200
Collinsville, IL 62234
Fax: 618-344-5602 (Forms may be faxed for credit card registrations)
(Please call after faxing to verify receipt.)

To register by credit or debit card: http://web.extension.illinois.edu/mms or send completed registration forms for each person with the following information (can send multiple registration forms to charge to one credit card):

Name on Card ___________________________ Card Type: __Mastercard __Visa
___Discover __American Express

Billing Address __________________________ City __________ State _______ ZipCode __________

Card #________________________________ Date of Expiration __________________________

3 digit card verification number on back of card: __________

E-mail: __________________________ (for credit card charge receipt)
KEYNOTE: E-ImpACT - Kaizad Irani
Approaching, understanding, and meeting the constantly changing environmental, economical, and educational needs for a sustainable and profitable society.

A. Borers of Drought – Phil Nixon
The drought of 2012 damaged tree root systems, causing trees to be more susceptible to borers for several years to come. Several important borers associated with declining trees will be discussed including bark beetles, flatheaded appletree borer, and horntails.

B. Wise Design of Commercial Flower Beds - Jim Schmidt
There are many directions you can take when planning flower beds for commercial areas. Whether you’re going for color-wise, water-wise or impact-wise this session will explore the right elements and right plant choices to create flower beds with curb appeal.

C. From Concept to Reality - Kaizad Irani
One of the more difficult tasks for the landscape designer/planner or gardener is to translate their ideas/concepts into a specific garden space or plan. This highly visual presentation will give you six design approaches that can be applied to any design situation. An easily accessible and valuable tool, for those of us that work and plan in outdoor spaces.

D. New Work on Poa Annua Biotypes from Golf Courses - D. W. Williams
This presentation will provide information on the biology of annual bluegrass and research on improving selective control in golf turf.

E. Chain Saw Safety - Jim Kirkland & Roger Smith
Preparation, precautions, use and safety. At this hands-on chain saw demonstration learn saw handling and safety as well as a live demonstration.

F. Beyond Geranium and Dracaena Spike—(Kick the Containers Up a Notch) - Jim Schmidt
Containers offer lots of opportunity to expand color into the commercial landscape. But sometimes the compositions are predictable. Learn how to use containers effectively in the landscape and how to put WOW into your container combinations.

G. Biting and Nuisance Flying Insects - Phil Nixon
The Clean Water Act, other regulations, and the public’s change in water management has helped create an environment that allows biting and nuisance flying insects in numbers that have not been present for many decades. Buffalo gnats, mayflies, midges, and other insects will be discussed so you and your clientele can better understand and cope with these insects.

H. Dew and Dollar Spot: What’s the Real Story? - D. W. Williams
This presentation will provide information on the role of dew in the epidemiology of dollar spot on creeping bentgrass, and current information on reducing disease pressure through management of leaf wetness along with fungicide applications.

I. If It’s Not an Insect or a Disease….?? - David Robson
Other things can cause some serious problems to trees and shrubs besides diseases and insects. We’ll take a look at how chemicals, weather, and other non-infectious factors can affect woody ornamentals and what can be done, if anything.

J. Perennial Garden Maintenance - Martha Smith
Cutting back, deadheading, pinching, layering bloom and dividing are common chores along with mulching, fertilizing and watering when maintaining a perennial garden. But which plant gets which treatment at what time of year and for how long? Learn the basics of perennial garden maintenance based on common plant needs. Martha will help ease your maintenance anxieties!

K. Comparing Some Common but Important Tree Diseases – Jim Schuster
Jim Schuster, Retired University of Illinois Plant Pathologist will compare several diseases that may have symptoms that seem similar. He will compare the cedar rust diseases, several pine diseases, a couple of oak problems and a few other problems as time allows.

L. Innovative Solutions for Turf Irrigation - Eric Simmons
Join us as we take a look at turf irrigation with a focus on energy and water conservation. From design to installation, management and maintenance.
**KEYNOTE: Sex in the Soil: The Facts of Life Beyond NPK** - **Lynn Bement**
Do you know what’s going on right beneath your feet? What exactly is organic matter doing there in the dark? Do microorganisms have a secret life? And, to paraphrase Freud, what is it that plants really want? Understanding relationships in the soil food-web, the role of microorganisms, and the nutrients plants depend on can dramatically change your practices. Find out how you can make your landscapes more resistant to disease, drought and pests, along with decreasing your costs and improving the health, vitality and resilience of all the plants you grow.

**A. Woody Plants for Challenging Conditions** - **David Williams**
Why are some sites more difficult than others? Tough conditions to the extremes! From too wet (poor drainage), too dry, fertility, high ph, low ph and more. Dave will also discuss plant selection.

**B. Controlling Turf Weeds Using Organic Methods** – **Bruce Branham**
There is increasing interest in sustainability in all areas of society. In turf management, this is particularly evident as our society becomes more risk averse as well. Thus, consumers continue to express concern regarding the use of pesticides in landscapes. Companies have increased their efforts to develop non-herbicidal methods of controlling broadleaf and grass weeds in turf. This presentation will examine the status of non-herbicidal weed control in turf.

**C. Creating and Managing a Nature Explore Classroom** - **Ben Grossman**
Reconnect our children with nature by learning about what it takes to create a Certified Nature Explore Classroom. Take your outdoor space from concept to reality utilizing various sponsorships, partners and volunteers. Program and discussion will include details on utilizing local resources and repurposed materials, recruiting and engaging volunteer groups and of course, how you maintain your classroom once it is built.

**D. Designing with Nature: Compost-Based BMPs in Green Infrastructure Stormwater Applications** - **Britt Faucette**
This session will highlight the use of compost-based best management practices (BMPs) used in sustainable stormwater management applications. Special focus will be placed on why and how compost is used in stormwater management applications, research on their performance, and how designers are using this information in site and watershed design scenarios.

**E. Up & Coming Perennial Stars** - **Martha Smith**
What new perennials will we be seeing in the coming season? What plants are breeders really excited to show off to the gardening world? After attending horticulture trade shows and talking with plant breeders and plant buyers, Martha will share what she has seen and heard. She will also include the latest trial garden results and what is showing great promise for Illinois gardens.

**F. Compost BMPs Used in LEED and Green Building Applications** - **Britt Faucette**
This presentation will focus on how and why compost based stormwater management practices are used in green infrastructure building applications. Focus will be placed on the LEED Certification Program for Green Buildings, how these practices can help accrue credits within the certification process, as well as a case study where these practices were utilized in a LEED project to help achieve Platinum Certification.

**G. Stormwater 101: Bioretention Pitfalls & Solutions** - **Scott Woodbury**
Successful bioretention projects require 5 elements for success: 1) Managing perceptions with good communication; 2) Developing plans that are low-maintenance; 3) Selecting the right plants for the right project; 4) Construction-phase design details, final grade, compaction and erosion; 5) Comprehensive maintenance plan to deal with erosion, sedimentation, and plant health and beauty.

**H. Green Roofs** - **David Williams**
A green roof is a roof that is covered in plants, which reduces stormwater run-off and lowers cooling costs. These roofs are managed differently than plants in the landscape. Dave will discuss plant selection, media selection and maintenance.

**I. Right Plant - Right Place and the Urban Ecosystem** - **Mark Grueber**
A discussion of the process of choosing the proper plant species for the planting site conditions with consideration of the urban ecosystem.

**J. Selecting and Managing Cool-Season Grasses for Golf Course Roughs in Temperate Regions** - **Tom Voigt**
Roughs usually comprise a large portion of the golf course footprint, but often receive little attention. Tom Voigt will talk about different types of roughs, the grasses and other plants that can be used in roughs, and methods for managing these areas.

**K. Recreation Naturally** - **Ben Grossman**
Managing your parks natural communities for wildlife, low maintenance park operations, cultural history and passive recreation will be our focus. Learn how to juggle your resource management goals and expectations while maintaining high quality natural communities. Topics will include prairie, forest, woodland and wetland as well as invasive plant management.

**L. 2013 A Year in Review at U of I Plant Clinic** - **Stephanie Porter**
In this presentation Stephanie will report the current updates and outreach from the U of I Plant Clinic. There will be an exciting review of plant disease as well as abiotic issues that were observed on trees, ornaments, fruits, and vegetables in Illinois during 2013. Key information as well as management suggestions will be given for all of the highlighted plant problems to help you prepare for the upcoming 2014 growing season.